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**BODY IMPLANTABLE LEAD INCLUDING ONE OR MORE  
CONDUCTIVE POLYMER ELECTRODES AND METHODS  
FOR FABRICATING SAME**

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**Abstract of the Disclosure**

10 A body implantable lead comprises a lead body including a  
conductive polymer electrode disposed along a distal end portion of the  
lead body for performing one or more of the functions consisting of  
pacing, sensing, cardioversion and defibrillation. An electrical conductor,  
preferably in the form of a multistrand cable conductor, couples the  
15 conductive polymer electrode with a proximal end of the lead body. The  
conductive polymer electrode encapsulates the conductor and is in  
electrical contact therewith along the length, and preferably along  
substantially the entire length, of the conductive polymer electrode. The  
lead body may comprise a multilumen polymer housing, the conductor  
20 being contained within one of the lumens of the housing. The conductive  
polymer electrode may be disposed within a window formed in the lead  
body. Alternatively, the conductive polymer electrode may comprise  
multiple electrode sections within a corresponding number of windows  
formed in the lead body and spaced apart along the length thereof.  
Further, the window and the conductive polymer electrode disposed  
25 therein may extend helically about the lead body. Because of its flexibility  
and because it can have a small diameter, the lead of the invention is  
particularly advantageous for implantation in the small, tortuous vessels of  
the coronary sinus region of the heart for left side stimulation and/or  
sensing.

30 Methods of fabricating lead bodies incorporating conductive  
polymer electrodes are also disclosed.